

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.
 HILLMAN, Jennifer L.
 YUE, Henry
 Y. Tom Tang
 AZIMZAI, Yalda

<120> CANCER ASSOCIATED PROTEINS

<130> PF-0661 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/236,205

<151> 1999-01-22

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210> 1

<211> 465

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1518859CD1

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				20					25					30
Tyr	Tyr	Pro	Asp	Glu	Ser	Tyr	Asn	Glu	Val	Tyr	Ala	Glu	Glu	Val
				35					40					45
Pro	Gln	Ala	Pro	Ala	Leu	Asp	Tyr	Arg	Val	Pro	Arg	Trp	Cys	Tyr
				50					55					60
Thr	Leu	Asn	Ile	Gln	Asp	Gly	Glu	Ala	Thr	Cys	Tyr	Ser	Pro	Lys
				65					70					75
Gly	Gly	Asn	Tyr	His	Ser	Ser	Leu	Gly	Thr	Arg	Cys	Glu	Leu	Ser
				80					85					90
Cys	Asp	Arg	Gly	Phe	Arg	Leu	Ile	Gly	Arg	Arg	Ser	Val	Gln	Cys
				95					100					105
Leu	Pro	Ser	Arg	Arg	Trp	Ser	Gly	Thr	Ala	Tyr	Cys	Arg	Gln	Met
				110					115					120
Arg	Cys	His	Ala	Leu	Pro	Phe	Ile	Thr	Ser	Gly	Thr	Tyr	Thr	Cys
				125					130					135
Thr	Asn	Gly	Val	Leu	Leu	Asp	Ser	Arg	Cys	Asp	Tyr	Ser	Cys	Ser
				140					145					150
Ser	Gly	Tyr	His	Leu	Glu	Gly	Asp	Arg	Ser	Arg	Ile	Cys	Met	Glu
				155					160					165

Asp Gly Arg Trp Ser Gly Gly Gln Pro Val Cys Val Asp Ile Asp
170
Pro Pro Lys Ile Arg Cys Pro His Ser Arg Gln Lys Met Ala Gln
185
Pro Gln Lys Leu Thr Ala Arg Val Tyr Asp Pro Pro Leu Val
200
Lys Asp Ser Ala Asp Gly Thr Ile Thr Arg Val Thr Leu Arg Gly
215
Pro Gln Pro Gly Ser His phe pro Gln Gly Gln His Val Ile Arg
230
Tyr Thr Ala Tyr Asp Arg Ala Tyr Asn Arg Ala Ser Cys Lys phe
245
Ile Val Lys Val Gln Val Arg Arg Cys Pro Thr Leu Lys Pro Pro
260
Gln His Gly Tyr Leu Thr Cys Thr Ser Ala Gly Asp Asn Tyr Gly
275
Ala Thr Cys Gln Tyr His Cys Asp Gly Tyr Asp Arg Gln Gly
290
Thr Pro Ser Arg Val Cys Gln Ser Ser Arg Gln Trp Ser Gly Ser
305
Pro Pro Ile Cys Ala Pro Met Lys Ile Asn Val Asn Val Asn Ser
320
Ala Ala Gly Leu Leu Asp Gln phe Tyr Gln Lys Gln Arg Leu Leu
335
Ile Ile Ser Ala Pro Asp Pro Ser Asn Arg Tyr Tyr Lys Met Gln
350
Ile Ser Met Leu Gln Ser Thr Cys Gly Leu Asp Leu Arg His
365
Val Thr Ile Ile Gln Leu Val Gly Gln Pro Gln Gln Val Gly
380
Arg Ile Arg Gln Gln Gln Leu Ser Ala Asn Ile Ile Gln Gln Leu
395
Arg Gln phe Gln Arg Leu Thr Arg Ser Tyr phe Asn Met Val Leu
410
Ile Asp Lys Gln Gly Ile Asp Arg Asp Arg Tyr Met Gln Pro Val
425
Thr Pro Gln Gln Ile phe Thr phe Ile Asp Asp Tyr Leu Leu Ser
440
Asn Gln Gln Leu Thr Gln Arg Arg Gln Gln Arg Asp Ile Cys Gln
455

<210> 2
<211> 400
<212> PRT
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 2616269CD1
<400> 2
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Leu Asp Met Arg	Ala	Leu Gly Arg	Leu Ala	Gln Val Cys Arg	Trp
	35		40		45
Leu Arg Arg Phe	Thr	Ser Cys Asp	Leu Leu	Trp Arg Arg	Ile Ala
	50		55		60
Arg Ala Ser Leu	Asn	Ser Gly Phe	Thr Arg	Leu Gly Thr	Asp Leu
	65		70		75
Met Thr Ser Val	Pro	Val Lys Glu	Arg Val	Lys Val Ser	Gln Asn
	80		85		90
Trp Arg Leu Gly	Arg	Cys Arg Glu	Gly Ile	Leu Leu Lys	Trp Arg
	95		100		105
Cys Ser Gln Met	Pro	Trp Met Gln	Leu Glu	Asp Asp Ser	Leu Tyr
	110		115		120
Ile Ser Gln Ala	Asn	Phe Ile Leu	Ala Tyr	Gln Phe Arg	Pro Asp
	125		130		135
Gly Ala Ser Leu	Asn	Arg Arg Pro	Leu Gly	Val Phe Ala	Gly His
	140		145		150
Asp Glu Asp Val	Cys	His Phe Val	Leu Ala	Asn Ser His	Ile Val
	155		160		165
Ser Ala Gly Gly	Asp	Gly Lys Ile	Gly Ile	His Lys Ile	His Ser
	170		175		180
Thr Phe Thr Val	Lys	Tyr Ser Ala	His Glu	Gln Glu Val	Asn Cys
	185		190		195
Val Asp Cys Lys	Gly	Gly Ile Ile	Val Ser	Gly Ser Arg	Asp Arg
	200		205		210
Thr Ala Lys Val	Trp	Pro Leu Ala	Ser Gly	Arg Leu Gly	Gln Cys
	215		220		225
Leu His Thr Ile	Gln	Thr Glu Asp	Arg Val	Trp Ser Ile	Ala Ile
	230		235		240
Ser Pro Leu Leu	Ser	Ser Phe Val	Thr Gly	Thr Ala Cys	Cys Gly
	245		250		255
His Phe Ser Pro	Leu	Arg Ile Trp	Asp Leu	Asn Ser Gly	Gln Leu
	260		265		270
Met Thr His Leu	Gly	Ser Asp Phe	Pro Pro	Gly Ala Gly	Val Leu
	275		280		285
Asp Val Met Tyr	Glu	Ser Pro Phe	Thr Leu	Leu Ser Cys	Gly Tyr
	290		295		300
Asp Thr Tyr Val	Arg	Tyr Trp Asp	Leu Arg	Thr Ser Val	Arg Lys
	305		310		315
Cys Val Met Glu	Trp	Glu Glu Pro	His Asp	Ser Thr Leu	Tyr Cys
	320		325		330
Leu Gln Thr Asp	Gly	Asn His Leu	Leu Ala	Thr Gly Ser	Ser Tyr
	335		340		345
Tyr Gly Val Val	Arg	Leu Trp Asp	Arg Arg	Gln Arg Ala	Cys Leu
	350		355		360
His Ala Phe Pro	Leu	Thr Ser Thr	Pro Leu	Ser Ser Pro	Val Tyr
	365		370		375
Cys Leu Arg Leu	Thr	Thr Lys His	Leu Tyr	Ala Ala Leu	Ser Tyr
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Asn Leu His Val	Leu	Asp Phe Gln	Asn Pro		
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<210> 3

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3117642CD1

<400> 3

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          20           25           30
Val Glu Ser Pro Thr Gln Ser Gln Asp Ser Thr Pro Ala Glu Glu
          35           40           45
Arg Glu Asp Glu Gly Ala Ser Ala Ala Gln Gly Gln Glu Pro Glu
          50           55           60
Ala Asp Ser Gln Glu Leu Val Gln Pro Lys Thr Gly Cys Glu Leu
          65           70           75
Gly Asp Gly Pro Asp Thr Lys Arg Val Cys Leu Arg Asn Glu Glu
          80           85           90
Gln Met Lys Leu Pro Ala Glu Gly Pro Glu Pro Glu Ala Asp Ser
          95          100          105
Gln Glu Gln Val His Pro Lys Thr Gly Cys Glu Arg Gly Asp Gly
          110          115          120
Pro Asp Val Gln Glu Leu Gly Leu Pro Asn Pro Glu Glu Val Lys
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Thr Pro Glu Glu Asp Glu Gly Gln Ser Gln Pro
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<210> 4

<211> 2152

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1518859CB1

<400> 4

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ttggcagatg tggacgtcgt aacatctggg cagtgttaac agaatcccgg aggccgggac 180
agaccaggag ccactcgttc taggaatggt aaagtagaag gttttttcca attgatgaga 240
ggagcagaga ggaaggagaa agaggaggag agagaaaaag ggcacaaaat accataaaac 300
agatcccata tttctgcttc ccctcacttt tagaagttaa ttgatggctg acttctgaaa 360
gtcactttcc tttgccttgg tacttcaggc catatacatc ttttcttgtc tccataatcc 420
tccctttcaa ggatggccag tcagctaact caaagaggag ctctctttct gctgttcttc 480
ctaactccgg cagtgcacc aacatgggtat gcagggttctg gctactatcc ggatgaaagc 540
tacaatgaag tatatgcaga ggaggtccca caggctcctg ccctggacta ccgagtcccc 600
cgatggtgtt atacattaaa tatccaggat ggagaagcca catgctactc accgaaggga 660
ggaaattatc acagcagcct gggcacgcgt tgtgagctct cctgtgaccg gggctttcga 720
ttgattggaa ggaggtcggg gcaatgcctg ccaagccgtc gttgggtctg aactgcctac 780
tgcaggcaga tgagatgcca cgcactacca ttcactacta gtggcactta cacctgcaca 840
aatggagtgc ttcttgactc tcgctgtgac tacagctgtt ccagtggcta ccacctggaa 900

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ggtgatcgca gccgaatctg catggaagat gggagatgga gtggaggcga gcctgtatgt 960
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gagaaattga ctgctcgagt atactgggac ccaccgttgg tgaaagattc tgctgatggg 1080
accatcacca ggggtgacact tcggggccct gagcctggct ctactttcc cgaaggagag 1140
catgtgattc gttacactgc ctatgaccga gcctacaacc gggccagctg caagttcatt 1200
gtgaaagtac aagtgagacg ctgcccactc ctgaaacctc cgcagcacgg ctacctacc 1260
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tataaaatgc agatctctat gctacagcaa tccacctgtg gactggattt gcggcatgtg 1560
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aacatggtgt tgattgacaa gcagggtatt gaccgagacc gctacatgga acctgtcacc 1740
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agttctaggg acaggactct gaggtgggtg agtttgacaa atcctgcagt gtttcaggc 1980
atccttttag gactgtgtaa tagtttccct agaagctagg tagggactga ggacaggcct 2040
tgggcagtgg gttgggggta gaagttcttc ctttctaacc cggggccct gccagctct 2100
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<210> 5

<211> 1888

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2616269CB1

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tcatctgtc ctacctggac atgcgggccc tcggccgect ggccagggtg tgccgctggc 180
tgcgcgctt caccagctgc gatctgctct ggcgcgggat agccggggc tcgctcaact 240
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tcatcctggc ctaccagttc cgtccagatg gtgccagctt gaatcgtcgg cctctgggag 480
tctttgctgg gcatgatgag gacgtttgccc actttgtgct ggccaactcg catattgtta 540
gtgcaggagg ggatgggaag attggcattc ataagattca cagcaccttc actgtcaagt 600
actcggctca tgaacaggag gtgaactgtg tggattgcaa agggggcatc attgtgagt 660
gctccaggga caggacggcc aaggtgtggc ctttggcctc aggcggctg gggcagtgt 720
tacacaccat ccagactgaa gaccgagtct ggtccattgc tatcagcca ttactcagct 780
ctttgtgac agggacggct tgttgcgggc acttctcacc cctgagaatc tgggacctca 840
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cgtcgactcc cctcagcagc cctgtgtact gctgctgct caccaccaag catctctatg 1200
ctgccctgtc ttacaacctc cacgtcctgg attttcaaaa ccatgaccg tcagggccac 1260
ccctgcctct gggccaggga aaccagctac tcagggactt ctcttgctg gagggtgcag 1320

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tgatagctcc tcctcactgc cccactgtgc tcctgggect gtgaccccag tgctcaggca 1380
cettgcacta gaggttctg actcctggga ctttggagct taccagagat gcagtcctc 1440
ccaggaacct gttggagagg caggacctgc tgcttttagag tgcggctgaa cccgggcctt 1500
gcgtccctgt ttggccagag caaggatctg gcctggagag gccatccta tacccttat 1560
tagagccatg acagcctaca gagtgaggtg aggtgctccc accttcccag atggttcctt 1620
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tgctttgaaa ccaagaaaga gcaaaggaa cccagcagtt ctgagtgagt tctgagccag 1800
ccctacctca ggctggctgt tgagacatgc tacaattttc atttttgtaa aaataaagct 1860
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<210> 6

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3117642CB1

<400> 6

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ctaagaagat taatctatcg gcgtagacca atgatctatg tagaatcttc tgaggagtcc 180
agtgatgagc aacctgacga agtggaatca ccaactcaaa gtcaggattc tacacctgct 240
gaagagagag aggatgaggg agcatctgca gctcaagggc aggagcctga agctgatagc 300
caggaactgg ttcagccaaa gactgggtgt gagcttggag atggtcctga taccaagagg 360
gtgtgcctgc gaaatgaaga gcagatgaaa ctgcccgcag aagggccaga gcctgaagcg 420
gatagccagg aacaggttca cccgaagact ggggtgtgagc gcggagatgg tctgatgtc 480
caggagttag gctgccaaa tccagaggag gtgaaaacac ctgaggaaga tgaagggcaa 540
tcacagcctt aaaagaagac acgctgaaat ggttcaggct gctcctgtgt tggaaatttg 600
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<210> 7

<211> 464

<212> PRT

<213> Rattus norvegicus

<300>

<308> GenBank ID No: g1345423

<400> 7

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              20              25              30
Phe Pro Gly Ser Gly Asp Ser Pro Leu Glu Asp Asp Gly Val Trp
              35              40              45
Ser Ser His Ser Leu Tyr Lys Asp Thr Pro Trp Cys Ser Pro Ile
              50              55              60
Lys Val Lys Tyr Gly Asp Val Tyr Cys Arg Ala Pro Pro Gly Gly
              65              70              75
Tyr Tyr Lys Thr Ala Leu Gly Thr Arg Cys Asp Ile Arg Cys Arg

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	80		85		90
Lys Gly Tyr Glu	Leu His Gly Ser Ser	Gln Leu Val Cys Gln Ser			
	95		100		105
Asn Arg Arg Trp	Ser Asp Lys Val Ile	Cys Lys Gln Lys Arg Cys			
	110		115		120
Pro Thr Leu Thr	Met Pro Ala Asn Gly	Gly Phe Lys Cys Val Asp			
	125		130		135
Gly Ala Tyr Phe	Asn Ser Arg Cys Glu	Tyr Tyr Cys Ser Pro Gly			
	140		145		150
Tyr Thr Leu Lys	Gly Glu Arg Thr Val	Thr Cys Met Asp Asn Lys			
	155		160		165
Ala Trp Ser Gly	Arg Pro Ala Ser Cys	Val Asp Met Glu Pro Pro			
	170		175		180
Arg Ile Lys Cys	Pro Ser Val Lys Glu	Arg Ile Ala Glu Pro Asn			
	185		190		195
Lys Leu Thr Val	Arg Val Ser Trp Glu	Thr Pro Glu Gly Arg Asp			
	200		205		210
Thr Ala Asp Gly	Ile Leu Thr Asp Val	Ile Leu Arg Gly Leu Pro			
	215		220		225
Pro Gly Ser Asn	Phe Pro Glu Gly Asp	His Lys Ile Glu Tyr Thr			
	230		235		240
Val Tyr Asp Arg	Ala Glu Asn Lys Gly	Thr Cys Lys Phe Arg Val			
	245		250		255
Lys Val Arg Val	Arg Arg Cys Gly Lys	Leu Asn Ala Pro Glu Asn			
	260		265		270
Gly Tyr Met Lys	Cys Ser Ser Asp Gly	Asp Asn Tyr Gly Ala Thr			
	275		280		285
Cys Glu Phe Ser	Cys Ile Gly Gly Tyr	Glu Leu Gln Gly Ser Pro			
	290		295		300
Ala Arg Val Cys	Gln Ser Asn Leu Ala	Trp Ser Gly Thr Glu Pro			
	305		310		315
Ser Cys Ala Ala	Met Asn Val Asn Val	Gly Val Arg Thr Ala Ala			
	320		325		330
Ala Leu Leu Asp	Gln Phe Tyr Glu Lys	Arg Arg Leu Leu Ile Val			
	335		340		345
Ser Thr Pro Thr	Ala Arg Asn Leu Leu	Tyr Arg Leu Gln Leu Gly			
	350		355		360
Met Leu Gln Gln	Ala Gln Cys Gly Leu	Asp Leu Arg His Ile Thr			
	365		370		375
Val Val Glu Leu	Val Gly Val Phe Pro	Thr Leu Ile Gly Arg Ile			
	380		385		390
Arg Ala Lys Ile	Met Pro Pro Ala Leu	Ala Leu Gln Leu Arg Leu			
	395		400		405
Leu Leu Arg Ile	Pro Leu Tyr Ser Phe	Ser Met Val Leu Val Asp			
	410		415		420
Lys His Gly Met	Asp Lys Glu Arg Tyr	Val Ser Leu Val Thr Pro			
	425		430		435
Met Ala Leu Phe	Asn Leu Ile Asp Thr	Phe Pro Leu Arg Lys Glu			
	440		445		450
Glu Met Ile Leu	Gln Ala Glu Met Gly	Gln Ser Cys Asn Thr			
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<210> 8

<211> 278

<212> PRT

<213> Homo sapiens

<300>

<308> GenBank ID No: g487348

<400> 8

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          35          40          45
Ala Arg Thr Arg Pro Arg Glu Glu Ala Glu Gly Gly Gly Ser Val
          50          55          60
Glu Glu Gly Ala Arg Gly Ile Ile Lys Gly Asp Glu Gly Ser Val
          65          70          75
Gly Ala Gly Lys Glu Ala Gln Gly Arg Lys Tyr Gly Lys Glu Glu
          80          85          90
Trp Arg Val Arg Ala Arg Arg Arg Glu Gly Ala Arg Pro Gly Arg
          95          100          105
Val Gln Gly Gln Gly Gly Gln Val Trp Ala Tyr Ile Pro Gly Thr
          110          115          120
Gly Ala Ala Met Ala Ala Ala Ala Arg Glu Glu Glu Glu Glu Ala
          125          130          135
Ala Arg Glu Ser Ala Ala Cys Pro Ala Ala Gly Pro Ala Leu Trp
          140          145          150
Arg Leu Pro Glu Val Leu Leu Leu His Met Cys Ser Tyr Leu Asp
          155          160          165
Met Arg Ala Leu Gly Arg Leu Ala Gln Val Tyr Arg Trp Leu Trp
          170          175          180
His Phe Thr Asn Cys Asp Leu Leu Arg Arg Gln Ile Ala Trp Ala
          185          190          195
Ser Leu Asn Ser Gly Phe Thr Arg Leu Gly Thr Asn Leu Met Thr
          200          205          210
Ser Val Pro Val Lys Val Ser Gln Asn Trp Ile Val Gly Cys Cys
          215          220          225
Arg Glu Gly Ile Leu Leu Lys Trp Arg Cys Ser Gln Met Pro Trp
          230          235          240
Met Gln Leu Glu Asp Asp Ala Leu Tyr Ile Ser Gln Ala Asn Phe
          245          250          255
Ile Leu Ala Tyr Gln Phe Arg Pro Asp Gly Ala Ser Leu Asn Arg
          260          265          270
Gln Pro Leu Gly Val Cys Trp Ala
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<210> 9

<211> 116

<212> PRT

<213> Homo sapiens

<300>

<308> GenBank ID No: g3511023

<400> 9

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Tyr	Val	Glu	Pro	Pro	Glu	Met	Ile	Gly	Pro	Met	Arg	Pro	Glu	Gln	
				20					25					30	
Phe	Ser	Asp	Glu	Val	Glu	Pro	Ala	Thr	Pro	Glu	Glu	Gly	Glu	Pro	
				35					40					45	
Ala	Thr	Gln	Arg	Gln	Asp	Pro	Ala	Ala	Ala	Gln	Glu	Gly	Glu	Asp	
				50					55					60	
Glu	Gly	Ala	Ser	Ala	Gly	Gln	Gly	Pro	Lys	Pro	Glu	Ala	Asp	Ser	
				65					70					75	
Gln	Glu	Gln	Gly	His	Pro	Gln	Thr	Gly	Cys	Glu	Cys	Glu	Asp	Gly	
				80					85					90	
Pro	Asp	Gly	Gln	Glu	Met	Asp	Pro	Pro	Asn	Pro	Glu	Glu	Val	Lys	
				95					100					105	
Thr	Pro	Glu	Glu	Gly	Glu	Lys	Gln	Ser	Gln	Cys					
				110					115						